

LEADSCREW ASSEMBLY WITH A WIRE-WOUND LEADSCREW
AND A SPRING-PIN ENGAGEMENT OF A DRIVE NUT
TO THE LEADSCREW

ABSTRACT OF THE DISCLOSURE

- 5 A leadscrew assembly includes a leadscrew having an elongated shaft with
an outer lateral surface and a rotational axis, and a leadscrew thread formed of a
thread wire helically wrapped in spaced-apart turns upon the lateral surface and
affixed to the elongated shaft. A hollow drive nut housing includes a nut bore
having an unthreaded inner surface. The leadscrew is inserted through the nut
10 bore. The nut bore is sized such that the leadscrew may rotate therein about the
rotational axis. A spring pin is affixed to the drive nut housing and spans across
the nut bore to engage the leadscrew thread.